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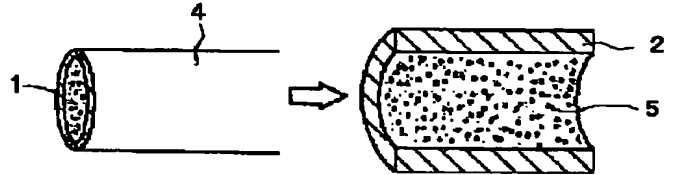
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APPLICANT : AISIN SEIKI CO LTD;

INVENTOR : SHIRAKAWA HIROICHI;

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TITLE : CASTING METHOD USING RESIN
CORE



ABSTRACT : PROBLEM TO BE SOLVED: To improve the densification and soundness of the surface structure in contact with a core in a cast product by applying the coating agent containing the refining element of the alloy structure or the resin containing nitrogen to the surface of the core in casting an aluminum alloy die cast product using a resin core.

SOLUTION: Casting is performed by applying the coating agent 4 containing at least one kind of element of Ca, Na, Mg, Bi, St, Sb and Ti to a surface of a thermoplastic resin core 1 to be used, or applying the resin containing nitrogen, or by forming a core of the thermoplastic resin containing nitrogen to improve the structure of a surface 5 in contact with the core of a die cast product 2. In some applications, the thermoplastic resin core on the outer surface of which a metallic film or the thermosetting resin film is formed may be used, and after the casting, the core may be removed while the metallic film or the thermosetting resin flint is left on the die cast product. The adhesion or bonding is of the cast-in system because the thermosetting resin film is impossible in adhesion or bonding with the molten metal, and tightness is secured making use of the non-permeability of the film.

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